

Claims

1. A process for producing nitrogen fertilizer, comprising essentially a synthesis unit, an evaporation unit, a conveying pump, and a granulation unit, the product from the synthesis unit leaving said unit in liquid phase as an aqueous solution or melt, **characterized in that** the product stream downstream of the evaporator unit and upstream of the granulation unit is conveyed by means of a self-regulating pump in the direction of the granulation unit.
2. Process according to claim 1, **characterized in that** the self-regulating pump is a self-regulating centrifugal pump.
3. Process according to one of the two claims 1 or 2, **characterized in that** the granulation unit comprises a granulator and the self-regulating conveying pump is arranged directly adjacent to this granulator or ideally flanged to it.
4. Process according to one of the two claims 1 or 2, **characterized in that** the evaporation unit comprises an evaporator and the self-regulating conveying pump is arranged directly adjacent to this evaporator or ideally flanged to it.
5. Process according to any one of the preceding claims 1 to 4, **characterized in that** the evaporator and the granulator are arranged essentially at the same horizontal level above the floor level.
6. Process according to any one of the preceding claims 1 to 5, **characterized in that** the self-regulating centrifugal pump is arranged essentially at the same horizontal level as that of the evaporator.